

PART I

Project Data (Continued)

11. Power Plant Installation

Assumed turbine efficiency	88%
Assumed generator efficiency	95%
Assumed total efficiency	84%
Capacity Generator No. 1	600 KW
Capacity Generator No. 2	600 KW
Capacity Generator No. 3	3600 KW
Maximum Plant Capacity	4800 KW

12. Penstocks:

Reinforced concrete, 54 in. dia.	4250 feet
Welded steel, 54 in. dia.	865 feet

13. Waterways:

Uinta River canal capacity	175 c.f.s.
Pole Creek conduit capacity	20 c.f.s.

14. Output in KWH per annum. 27,000,000

15. Cost of Development:

Construction Cost	\$1,081,425.
Capital Cost new construction	1,297,710.
Depreciated Value of Existing Plant	65,409.
Total Capital Cost including Existing Plant	1,363,119.

16. Annual Costs:

Fixed Costs (5%)	\$ 68,156.
(Interest 3%, taxes & insurance 1%, depreciation 1%)	
Operating Cost	20,500.
Total Annual Cost	88,656.
Cost per KW of capacity per year.	18.47

17. Cost of Producing Power (on 69KV bus) 3.28 mills per KWH